

L Number	Hits	Search Text	DB	Time stamp
1	1226	biotin near antibody	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/21 18:25
2	36778	(DNA or RNA or "nucleic acid") same (primer or probe) same hybridiz\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/21 18:26
3	512	(biotin near antibody) and ((DNA or RNA or "nucleic acid") same (primer or probe) same hybridiz\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/21 18:26
4	38	(biotin near antibody) same ((DNA or RNA or "nucleic acid") same (primer or probe) same hybridiz\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/21 20:51
5	956	(hapten\$ or biotin) near (probe or primer)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/21 20:52
6	4	((hapten\$ or biotin) near (probe or primer)) same (bind\$) same (transform\$)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/21 20:52

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## **Document Listing**

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US004888274	17	1 - 17	1
Total (1)	17	-	-

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<b>US004898951</b>	<b>20</b>	<b>1 - 20</b>	<b>1</b>
<b>US005338671</b>	<b>17</b>	<b>1 - 17</b>	<b>1</b>
<b>Total (2)</b>	<b>37</b>	<b>-</b>	<b>-</b>

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US006475729	16	1 - 16	1
Total (1)	16	-	-

10/002,158

L20 ANSWER 23 OF 39 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1993:464893 CAPLUS

DOCUMENT NUMBER: 119:64893

TITLE: Fast and easy gene cloning with lone linker-polymerase chain reaction (LL-PCR)

INVENTOR(S): Abe, Kuniya

PATENT ASSIGNEE(S): Research Development Corp. of Japan, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 04108384	A2	19920409	JP 1990-224626	19900827 <--
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JP 3262789	B2	20020304		
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AB The title method comprises addn. of lone linkers on double-stranded DNA (ds DNA), denaturation of the ds DNA to single-stranded (ss) DNA, hybridization of the ss DNA with a labeled DNA probe for gene of interest, isolation of the DNA probe -hybridized ss DNA, and dissociation of the ss DNA and DNA probe, and amplification of the desired gene by LL-PCR. The method can be automated and multiple genes can be simultaneously cloned. Cloning of mouse actin and Tctex-3 and Tctex-7 genes on pT7T318U in Escherichia coli using biotin-labeled DNA probes was shown. Dated by colony hybridization, the pos. clones for these genes were 61%, 8, and 38 of the total clones.

L20 ANSWER 24 OF 39 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1992:544774 CAPLUS

DOCUMENT NUMBER: 117:144774

TITLE: Single-stranded nucleic acid specific nuclease in gene detection

INVENTOR(S): Ishimori, Yoshio

PATENT ASSIGNEE(S): Toshiba Corp., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 04135498 A2 19920508 JP 1990-259013 19900928 <--

AB An easy and fast method for detection of a gene comprises obtaining the DNA sample, denaturing the DNA to single-strands, hybridizing with a non-radioactively labeled probe, incubating with a single-stranded nucleic acid specific nuclease, isolating and detg. the double-stranded DNA-probe. Detection of hepatitis B virus in a patient's seral sample using a biotin -labeled RNA probe and S1 nuclease was shown.